Appln no. 10/668,410 Amendment dated Oct. 12, 2005 Response to Office Action of July 12, 2005

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

## Listing of Claims:

10:25

1. (currently amended) An abrasive array of a plurality of protruding units, each unit having a body composed of at least abrasive grains and a binder, each body having a base and a region most distal from the base, the abrasive array comprising:

a plurality of protruding units distributed in two dimensions,

wherein each protruding unit has a base that has a periphery,

wherein, for each unit, its respective distal region, when projected on to a plane that is coplanar with its respective base, falls within the periphery of the base, and defines an offset vector between the projection of the distal region and a center point of the base; and

wherein the offset vectors for the plurality of protruding units do not exhibit a sum that approaches a limit of zero.

- 2. (original) The abrasive array of claim 1, wherein each distal region is linear.
- 3. (original) The abrasive array of claim 2, wherein each distal region is rectilinear.
- 4. (original) The abrasive array of claim 2, wherein each linear region is curvilinear.
- 5. (original) The abrasive array of claim 1, wherein each base is a parallelogram.
- 6. (original) The abrasive array of claim 5, wherein none of the sides of the parallelogram is parallel to an edge of an article upon which the abrasive array is disposed.
- 7. (Canceled)
- 8. (original) The abrasive array of claim 1, wherein consecutive bases do not abut.

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(currently amended) An abrasive article comprising:
 a backing having a front and back surface; and
 an abrasive coating bonded to the front surface of the backing,

wherein the abrasive coating includes a plurality of protruding units distributed in two dimensions,

wherein each protruding unit has a base that has a periphery,

wherein, for each unit, its respective distal region, when projected on to a plane that is coplanar with its respective base, falls within the periphery of the base, and defines an offset vector between the projection of the distal region and a center point of the base; and

wherein the offset vectors for the plurality of protruding units do not exhibit a sum that approaches-a limit of zero.

- 10. (original) The abrasive article of claim 9, wherein each distal region is linear.
- 11. (original) The abrasive article of claim 10, wherein each distal region is rectilinear.
- 12. (original) The abrasive article of claim 10, wherein each distal region is curvilinear.
- 13. (original) The abrasive article of claim 9, wherein each base is a parallelogram.
- 14. (original) The abrasive article of claim 13, wherein none of the sides of the parallelogram is parallel to an edge of an article upon which the abrasive array is disposed.
- 15. (Canceled)
- 16. (original) The abrasive article of claim 9, wherein consecutive bases do not abut.
- 17. (new) The abrasive article of claim 1, wherein the offset vector for each of the plurality of proruding units is the same.

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18. (new) The abrasive article of claim 9, wherein the offset vector for each of the plurality of proruding units is the same.